

WATER MANAGEMENT DIVISION MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR AUGUST 1999

HIGHLIGHTS –The stage at Cairo began the month at 22.7' and ended August at 15.9'. The Ohio River crested at Cairo on the 1st at 22.76 feet and the lowest stage was13.30' on the 24th. Normal stage for August is 17 feet.

WEATHER – The weather during August continued generally dry with near normal temperatures. Upper air jets drifted south on occasions during the month and gave some relief from July's above normal temperatures. Precipitation remained below normal for most of the basin. The driest areas were in Tennessee and Kentucky. Above normal rainfall was received in southeastern Ohio, and northern Indiana and Illinois. Most of the rainfall in the Ohio Basin occurred during one storm on August 24th when up to five inches was observed.

The following table summarizes temperature and precipitation for August:

TEMPERATURE AND PRECIPITATION – AUGUST 1999

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	69.2	-1.4	2.21	-1.00
Charleston, WV	72.3	-1.6	2.97	-1.04
Columbus, OH	73.1	+1.6	2.40	-1.32
Cincinnati, OH	72.7	-0.8	2.65	-0.70
Louisville, KY	78.5	+2.7	0.97	-2.57
Indianapolis, IN	72.4	-0.8	1.50	-2.14

Evansville, IN	74.4	-1.7	0.64	-2.47
Nashville, TN	79.4	+1.3	3.12	-0.90

STREAMFLOW -- Ohio River monthly average flows for August ranged from a low of 39 percent of normal at Evansville, IN to a high of 52 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 20 percent of normal at Cincinnati, OH to a high of 123 percent of normal at Louisville, KY.

The following table presents the flow data summary for August at the Ohio River Index Stations:

FLOW DATA – AUGUST 1999

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
	CUBIC FEET/SECOND	MONTHLY	DAILY	
			HIGH	LOW
Pittsburgh, PA	6,190	52	97	37
Huntington, WV	15,613	51	118	20
Cincinnati, OH	16,548	47	107	20
Louisville, KY	17,419	42	123	24
Evansville, IN	18,516	39	107	21
Paducah, KY	54,774	49	79	31

RESERVOIRS -- August started with 0.5% utilization of the total system flood control storage and ended the month at 0.2%. System-wide augmentation storage decreased from 91.8% at the beginning of the month to 85.6% by the end of the month. No significant flood storage utilization in excess of 25% occurred at any of the reservoir projects during August.

The following table depicts storage change by tributary reservoir subsystem for August:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-142,800

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+6,100
Twelvepole-Big Sandy-Little Sandy-Scioto	-14,100
Little Miami-Licking-Mill Creek-Great Miami	-4,000
Kentucky-Salt-Green-Wabash	-32,000
Cumberland	-761,100
TOTAL	-947,900

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